

Amendments to the Claims

1-6. (Cancelled)

7. (Allowed) An apparatus, comprising:
a housing having a chamber therein;
a heat absorbing material disposed within said chamber in said housing; and
a heat pipe disposed within said housing and operative to facilitate heat distribution within said heat absorbing material;
including a plurality of further heat pipes;
wherein said housing includes a plurality of thermally conductive ribs extending within said chamber and each having therein an opening;
wherein each said opening has therein a respective one of said heat pipes;
wherein said chamber includes a plurality of portions which are substantially separated from each other by said ribs, and
wherein said chamber includes a plurality of channels which are provided in said housing and which facilitate fluid communication between said portions of said chamber.

8. (Allowed) An apparatus according to Claim 7, wherein said housing includes a thermally conductive first part having a plurality of recesses provided in one side thereof, each said portion of said chamber being in a respective one of said recesses; wherein said ribs are portions of said first part which are disposed between said recesses; wherein said housing further includes a thermally conductive second part which is disposed against said one side of said first part; and wherein said channels are each a transverse groove provided in a respective said rib on a side thereof adjacent said second part.

9. (Allowed) An apparatus according to Claim 7, wherein said ribs extend radially in respective different directions; wherein said openings in said ribs extend radially; and wherein said portions of said chamber are each sector-shaped, and are each disposed between a respective pair of said ribs.

10. (Allowed) An apparatus according Claim 7, including an expansion accumulator which is in fluid communication with said chamber, which receives a portion of said heat absorbing material from said chamber when said heat absorbing material expands in

response to an increase in temperature, and which returns said portion of said heat absorbing material to said chamber when said heat absorbing material contracts in response to a decrease in temperature.

11. (Allowed) An apparatus according to Claim 7, including in each said portion of said chamber a thermally conductive member made of a porous material.

12. (Allowed) An apparatus according to Claim 11, wherein said housing and said thermally conductive members are all made of a metal, and wherein said thermally conductive members are each brazed to surfaces of said housing which define said chamber.

13-18. (Cancelled)

19. (Allowed) An apparatus according to Claim 11, wherein said heat absorbing material is a phase change material.

20. (Allowed) An apparatus according to Claim 7, including an antenna system which is coupled to said housing and which generates heat that is transferred to said housing.

21. (Allowed) An apparatus according to Claim 7, wherein said heat absorbing material is a phase change material.

22. (Allowed) An apparatus according to Claim 7, wherein each said opening has a first end which communicates through a passageway in said housing with a location external to said housing.

23. (Allowed) An apparatus according to Claim 22, wherein each said opening has a second end which is remote from said first end and which opens outwardly through an outer surface of said housing.

24-36. (Cancelled)